

REMARKS

Claims 1-19 are pending in the application. Claims 1-19 have been amended to correct typographic errors and/or clarify the claimed invention. The amendments do not add new matter and are supported throughout the specification and figures.

Applicants gratefully acknowledge that the Office Action recognizes that claims 2-3, 8-13, and 16-18 contain allowable subject matter. Applicants inquire as to the status of claim 4 of the present application, which is not listed in the Office Action Summary or in the introduction of the allowed claims in section 3 of the Office Action, but which is apparently discussed as allowable on page 4 of the Office Action. Applicants respectfully request clarification of the status of claim 4 in the next communication to the Applicants.

Claims 1, 5-7, 14-15 and 19 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over United States Patent No. 6,006,077 to Shull (hereinafter Shull) in view of United States Patent No. 6,285,886 to Kamel et al. (hereinafter Kamel). Applicants respectfully traverse.

Claim 1 as amended relates to a radio communication system including a base station ***transmitting radio signals having different waveform*** and a terminal station for making radio communications with said base station. The base station includes, *inter alia*, a compensation parameter generating section for generating a compensation parameter needed for compensating for a possible error in detection of a received signal, ***occurring in said terminal station stemming from a difference in transmission signal waveform*** to said terminal station. The base station also includes a transmitting section for transmitting said compensation parameter generated by said compensation parameter generating section, to said terminal station. The

terminal station includes a received signal strength detecting section for detecting a received signal strength of a transmission signal from said base station through the use of a required amplifier; and a received signal strength compensating section for compensating for, on the basis of said compensation parameter from said base station, the error in the received signal strength detection in said received signal strength detecting section, *occurring according to the difference in transmission signal waveform*.

It is respectfully submitted that neither Shull nor Kamel discloses or suggests the feature of transmitting different waveforms from a base station. The Examiner apparently admits that Shull does not recite this feature (Office Action; page 2, lines 17-19). It is unclear to what reference the Examiner refers in the Office Action in referring to “Dent” on page 3, lines 2-3, of the Office Action. Upon reviewing the sections cited as “Dent” in Kamel, Applicants submit that Kamel also does not disclose or suggest the recited feature. Clarification is respectfully requested in the Examiner’s next communication to the Applicants.

Neither of Shull and Kamel discloses an arrangement for changing the waveform of a transmission signal sent from the base station. The cited references do not appear to be directed to compensation for the error in the received signal strength detection in view of a difference in the waveform of a transmission signal sent from the base station. That is, the cited references do not compensate for the detection error corresponding to the difference in the waveform of the transmission signal. Therefore, Shull and Kamel are totally silent of the above-described Applicant’s concept, and the subject matter of amended independent claim 1 does not read on Shull and Kamel individually or in combination.

Claims 4 and 5 depend from claim 1 and are therefore allowable for at least the same reasons as claim 1 is allowable.

Claim 6 as amended recites a received signal strength compensating method for use in a radio communication system comprising a base station *transmitting radio signals having different waveform* and a terminal station for making radio communications with said base station. The method of claim 6 includes, *inter alia*, broadcasting a compensation parameter needed for compensating for a possible error in detection of a received signal, *occurring in said terminal station stemming from a difference in waveform* of a transmission signal from said base station to said terminal station. The method also includes, in said terminal station, detecting a received signal strength of said transmission signal through the use of a required amplifier, and compensating for, on the basis of said compensation parameter broadcasted from said base station, the error in the received signal strength detection *occurring according to the difference in transmission signal waveform*.

Therefore, for at least the same reasons that claim 1 is allowable, as discussed above, claim 6 is also allowable.

Claim 7 as amended recites a base station for use in a radio communication system, said base station making radio communications with a terminal station by radio signals having different waveform. The base station of claim 7 includes, *inter alia*, a compensation parameter generating section for generating a compensation parameter needed for compensating for a possible error in detection of a received signal strength, *occurring in said terminal station stemming from a difference in transmission signal waveform* to said terminal station.

Therefore, for at least the same reasons that claim 1 is allowable, as discussed above, claim 7 is also allowable.

Claim 14 depends from claim 7 and is therefore allowable for at least the same reasons as claim 7 is allowable.

Claim 15 as amended recites a terminal station for use in a radio communication system, said terminal station making radio communications with a base station. The terminal station of claim 15 includes, *inter alia*, a received signal strength detecting section for detecting a received signal strength of a transmission signal from said base station through the use of a required amplifier; and a received signal strength compensating section for compensating for, on the basis of a compensation parameter needed for compensation for a possible error in detection of a received signal strength *occurring due to a difference in waveform of said transmission signal* and generated in said base station and transmitted therefrom, the error in the received signal strength detection in said received signal detecting section, *occurring according to the difference in the transmission signal waveform*.

Therefore, for at least the same reasons that claim 1 is allowable, as discussed above, claim 15 is also allowable.

Claim 19 depends from claim 15 and is therefore allowable for at least the same reasons as claim 15 is allowable.

Therefore it is respectfully requested that the 35 U.S.C. § 103(a) rejection of claims 1, 5-7, 14-15 and 19 be withdrawn and that the claims be allowed.

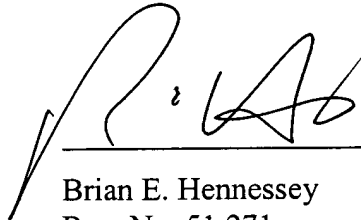
CONCLUSION

In view of the above remarks, it is believed that all pending claims, are in condition for allowance, which action is respectfully solicited. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

App. No.: 10/072,056

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Respectfully submitted,

A handwritten signature in black ink, appearing to read "B. E. Hennessey", is written over a horizontal line.

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